



SEQUENCE LISTING

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YAMAUCHI, Toshimasa
NAGAI, Ryoza
KAMON, Jyunji

<120> ADIPONECTIN RECEPTOR AND GENE ENCODING
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<140> 10/799943

<141> 2004-03-11

<150> PCT/JP03/07515

<151> 2003-06-12

<150> JP 2002-383738

<151> 2002-12-29

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Glu Glu Glu Gln Thr Cys Pro Val Pro Gln Glu Glu Glu Glu Val	
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Arg Val Leu Thr Leu Pro Leu Gln Ala His His Ala Met Glu Lys Met	
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 Phe Leu Leu His Gly His Arg Pro Pro Met Pro Ser Phe Arg Ala Cys
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 65 70 75 80
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 85 90 95
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 Phe Gly Leu Phe Phe Leu Gly Ala Ile Leu Cys Leu Ser Phe Ser Trp
 100 105 110
 ctg ttc cac aca gtc tac tgc cac tca gag ggg gtc tct cgg ctg ttc 384

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Val	Pro	Trp	Leu	Tyr	Tyr	Ser	Phe	Tyr	Cys	Asn	Pro	Gln	Pro	Cys	Phe	
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Tyr	Ala	Ala	Arg	Ile	Pro	Glu	Arg	Phe	Phe	Pro	Gly	Lys	Cys	Asp	Ile	
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Trp	Phe	His	Ser	His	Gln	Leu	Phe	His	Ile	Phe	Val	Val	Ala	Gly	Ala	
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Tyr	Val	Ile	Ser	Glu	Gly	Phe	Leu	Lys	Ala	Ala	Thr	Ile	Gly	Gln	Ile		
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Trp	Phe	His	Ser	His	Gln	Leu	Phe	His	Ile	Phe	Val	Val	Ala	Gly	Ala		
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Glu	Gly	Phe	Val	Lys	Ala	Thr	Thr	Val	Gly	Gln	Met	Gly	Trp	Phe	Phe	
290				295				300								
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Leu	Met	Ala	Val	Met	Tyr	Ile	Thr	Gly	Ala	Gly	Leu	Tyr	Ala	Ala	Arg	
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325				330				335								
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His	Gln	Ile	Phe	His	Val	Leu	Val	Val	Ala	Ala	Ala	Phe	Val	His	Phe	
340				345				350								
tat	ggg	gtg	tcc	aac	ctt	cag	gaa	ttc	cgt	tat	ggc	cta	gaa	ggg	ggc	1104
Tyr	Gly	Val	Ser	Asn	Leu	Gln	Glu	Phe	Arg	Tyr	Gly	Leu	Glu	Gly	Gly	
355				360				365								
tgt	acc	gac	gac	tcc	ctt	ctc	tga									1128
Cys	Thr	Asp	Asp	Ser	Leu	Leu										
370				375												

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 <213> Mus musculus

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 Leu Leu Glu Lys Gly Lys Arg Ala Ala Ser Ser Pro Ala Lys Ala
 35 40 45
 Glu Glu Asp Gln Ala Cys Pro Val Pro Gln Glu Glu Glu Glu Val
 50 55 60
 Arg Val Leu Thr Leu Pro Leu Gln Ala His His Ala Met Glu Lys Met
 65 70 75 80
 Glu Glu Phe Val Tyr Lys Val Trp Glu Gly Arg Trp Arg Val Ile Pro
 85 90 95
 Tyr Asp Val Leu Pro Asp Trp Leu Lys Asp Asn Asp Tyr Leu Leu His
 100 105 110
 Gly His Arg Pro Pro Met Pro Ser Phe Arg Ala Cys Phe Lys Ser Ile
 115 120 125
 Phe Arg Ile His Thr Glu Thr Gly Asn Ile Trp Thr His Leu Leu Gly
 130 135 140
 Phe Val Leu Phe Leu Phe Leu Gly Ile Leu Thr Met Leu Arg Pro Asn


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145          150          155          160
Met Tyr Phe Met Ala Pro Leu Gln Glu Lys Val Val Phe Gly Met Phe
          165          170          175
Phe Leu Gly Ala Val Leu Cys Leu Ser Phe Ser Trp Leu Phe His Thr
          180          185          190
Val Tyr Cys His Ser Glu Lys Val Ser Arg Thr Phe Ser Lys Leu Asp
          195          200          205
Tyr Ser Gly Ile Ala Leu Leu Ile Met Gly Ser Phe Val Pro Trp Leu
          210          215          220
Tyr Tyr Ser Phe Tyr Cys Ser Pro Gln Pro Arg Leu Ile Tyr Leu Ser
          225          230          235          240
Ile Val Cys Val Leu Gly Ile Ser Ala Ile Ile Val Ala Gln Trp Asp
          245          250          255
Arg Phe Ala Thr Pro Lys His Arg Gln Thr Arg Ala Gly Val Phe Leu
          260          265          270
Gly Leu Gly Leu Ser Gly Val Val Pro Thr Met His Phe Thr Ile Ala
          275          280          285
Glu Gly Phe Val Lys Ala Thr Thr Val Gly Gln Met Gly Trp Phe Phe
          290          295          300
Leu Met Ala Val Met Tyr Ile Thr Gly Ala Gly Leu Tyr Ala Ala Arg
          305          310          315          320
Ile Pro Glu Arg Phe Phe Pro Gly Lys Phe Asp Ile Trp Phe Gln Ser
          325          330          335
His Gln Ile Phe His Val Leu Val Val Ala Ala Ala Phe Val His Phe
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Tyr Gly Val Ser Asn Leu Gln Glu Phe Arg Tyr Gly Leu Glu Gly Gly
          355          360          365
Cys Thr Asp Asp Ser Leu Leu
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gaa gag ttt gtt tgt aag gtg tgg gaa ggc cga tgg cga gtg atc cct 96
Glu Glu Phe Val Cys Lys Val Trp Glu Gly Arg Trp Arg Val Ile Pro
          20          25          30

cac gat gtg cta ccg gat tgg ctt aag gat aat gac ttc ctt ctc cat 144
His Asp Val Leu Pro Asp Trp Leu Lys Asp Asn Asp Phe Leu Leu His
          35          40          45

gga cac cgg cct cct atg cct tcc ttt cgg gcc tgt ttt aag agc att 192
Gly His Arg Pro Pro Met Pro Ser Phe Arg Ala Cys Phe Lys Ser Ile
          50          55          60

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Phe Arg Ile His Thr Glu Thr Gly Asn Ile Trp Thr His Leu Leu Gly	
65 70 75 80	
tgt gta ttc ttc ctg tgc ctg ggg atc ttt tat atg ttt cgc cca aat	288
Cys Val Phe Phe Leu Cys Leu Gly Ile Phe Tyr Met Phe Arg Pro Asn	
85 90 95	
ata tct ttt gtg gcc cct ctg caa gag aaa gtg gtc ttt ggc ttg ttc	336
Ile Ser Phe Val Ala Pro Leu Gln Glu Lys Val Val Phe Gly Leu Phe	
100 105 110	
ttc ttg gga gcc att ctc tgc ctt tcc ttt tca tgg ctc ttc cac acg	384
Phe Leu Gly Ala Ile Leu Cys Leu Ser Phe Ser Trp Leu Phe His Thr	
115 120 125	
gtg tac tgc cac tca gaa ggg gtc tcc cga ctc ttc tct aaa ttg gat	432
Val Tyr Cys His Ser Glu Gly Val Ser Arg Leu Phe Ser Lys Leu Asp	
130 135 140	
tac tct ggt att gct ctt ctg atc atg gga agt ttt gtt cct tgg ctt	480
Tyr Ser Gly Ile Ala Leu Leu Ile Met Gly Ser Phe Val Pro Trp Leu	
145 150 155 160	
tat tat tct ttc tac tgt aac cca caa cct tgc ttc atc tac ctg att	528
Tyr Tyr Ser Phe Tyr Cys Asn Pro Gln Pro Cys Phe Ile Tyr Leu Ile	
165 170 175	
gtc atc tgt gtg ctg ggc att gca gcc att atc gtc tct cag tgg gac	576
Val Ile Cys Val Leu Gly Ile Ala Ala Ile Ile Val Ser Gln Trp Asp	
180 185 190	
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Met Phe Ala Thr Pro Gln Tyr Arg Gly Val Arg Ala Gly Val Phe Val	
195 200 205	
ggc tta ggc ctg agt gga atc atc cct acc ttg cat tat gtc atc tca	672
Gly Leu Gly Leu Ser Gly Ile Ile Pro Thr Leu His Tyr Val Ile Ser	
210 215 220	
gaa ggg ttc ctg aag gct gcc acc ata ggg cag ata ggc tgg cta atg	720
Glu Gly Phe Leu Lys Ala Ala Thr Ile Gly Gln Ile Gly Trp Leu Met	
225 230 235 240	
ctt atg gct agc ctc tat atc acc gga gct gcc ctc tat gcg gcc cgt	768
Leu Met Ala Ser Leu Tyr Ile Thr Gly Ala Ala Leu Tyr Ala Ala Arg	
245 250 255	
atc cct gag cgc ttc ttt cct ggc aaa tgt gac atc tgg ttt cac tct	816
Ile Pro Glu Arg Phe Phe Pro Gly Lys Cys Asp Ile Trp Phe His Ser	
260 265 270	
cat cag ctc ttc cac atc ttt gtg gtt gct ggt gcc ttt gtt cac ttc	864
His Gln Leu Phe His Ile Phe Val Val Ala Gly Ala Phe Val His Phe	
275 280 285	
cac gga gtc tca aac ctg cag gaa ttt cgt ttc atg att ggc ggg ggc	912

His Gly Val Ser Asn Leu Gln Glu Phe Arg Phe Met Ile Gly Gly Gly
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tgc act gaa gag gat gca ctg tga
 Cys Thr Glu Glu Asp Ala Leu
 305 310

936

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 35 40 45
 Gly His Arg Pro Pro Met Pro Ser Phe Arg Ala Cys Phe Lys Ser Ile
 50 55 60
 Phe Arg Ile His Thr Glu Thr Gly Asn Ile Trp Thr His Leu Leu Gly
 65 70 75 80
 Cys Val Phe Phe Leu Cys Leu Gly Ile Phe Tyr Met Phe Arg Pro Asn
 85 90 95
 Ile Ser Phe Val Ala Pro Leu Gln Glu Lys Val Val Phe Gly Leu Phe
 100 105 110
 Phe Leu Gly Ala Ile Leu Cys Leu Ser Phe Ser Trp Leu Phe His Thr
 115 120 125
 Val Tyr Cys His Ser Glu Gly Val Ser Arg Leu Phe Ser Lys Leu Asp
 130 135 140
 Tyr Ser Gly Ile Ala Leu Leu Ile Met Gly Ser Phe Val Pro Trp Leu
 145 150 155 160
 Tyr Tyr Ser Phe Tyr Cys Asn Pro Gln Pro Cys Phe Ile Tyr Leu Ile
 165 170 175
 Val Ile Cys Val Leu Gly Ile Ala Ala Ile Ile Val Ser Gln Trp Asp
 180 185 190
 Met Phe Ala Thr Pro Gln Tyr Arg Gly Val Arg Ala Gly Val Phe Val
 195 200 205
 Gly Leu Gly Leu Ser Gly Ile Ile Pro Thr Leu His Tyr Val Ile Ser
 210 215 220
 Glu Gly Phe Leu Lys Ala Ala Thr Ile Gly Gln Ile Gly Trp Leu Met
 225 230 235 240
 Leu Met Ala Ser Leu Tyr Ile Thr Gly Ala Ala Leu Tyr Ala Ala Arg
 245 250 255
 Ile Pro Glu Arg Phe Phe Pro Gly Lys Cys Asp Ile Trp Phe His Ser
 260 265 270
 His Gln Leu Phe His Ile Phe Val Val Ala Gly Ala Phe Val His Phe
 275 280 285
 His Gly Val Ser Asn Leu Gln Glu Phe Arg Phe Met Ile Gly Gly Gly
 290 295 300
 Cys Thr Glu Glu Asp Ala Leu
 305 310